

0CV10-M63200EN

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE88 - YC engine manufactured since March, 1999.
2. Each illustration corresponds to the parts list on the following page.
3. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

Directions for the Parts Catalog.

1. This Parts Catalog shows both standard and optional parts.
2. Parts may change without prior notice.
3. The following is an example of the Parts Catalog format.

OCF10-G21601

29. FUEL INJECTION PUMP(W/BOOST)

1

REF.

2

LEV.

PARTS NO.

DESCRIPTION

(A)=4JH-DT
(B)=4JH-DTZ
(C)=4JH-DTZP

(D)=4JH-DTZA
(E)=4JH-DTZY
(F)=

Q'TY

(A) (B) (C) (D) (E) (F)

3

I

5

R

1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1		1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1		N 1
		(A=E00185) (B=E00200)								
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9		
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4		K
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)								
4	2	129470-51040	CAMSHAFT	1	1	1	1	1		
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2		
6	2	129470-51060	RETAINER	1	1	1	1	1		

Remarks

(1) BOOST COMPENSATOR TYPE. OPTIONAL PART, TO E00155,(4JH-DT, 4JH-DTZ)

① Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(Ex.) Illustration No.

List Ref No.

1

1

(Before change)

1-1

(After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

② Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

1 ----- Main parts (Assembly parts)

2 ----- Sub component included in " 1 ".

3 ----- Sub component included in " 2 ".

Note) Parts that are not for sale are partially illustrated but not listed.

③ Interchangeability Symbol

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

Symbol	Interchangeability	Contents note
N	Old $\xrightarrow{\text{Yes}}$ New No $\xrightarrow{\text{No}}$	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes $\xrightarrow{\text{Yes}}$	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes $\xrightarrow{\text{Yes}}$	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No $\xrightarrow{\text{No}}$	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

④ Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No. Compressor No.	F	Machine No. (Agricultural Equip.)
D	Drive No.	M	Machine No.
E	Engine No.		

Note 1) A date may follow the symbol. (Ex.) 1996.01

Note 2) "XXXXX" and "ZZZZZ" are for parts that could not be predicted or for engine models that could not be identified.

Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

⑤ Remarks

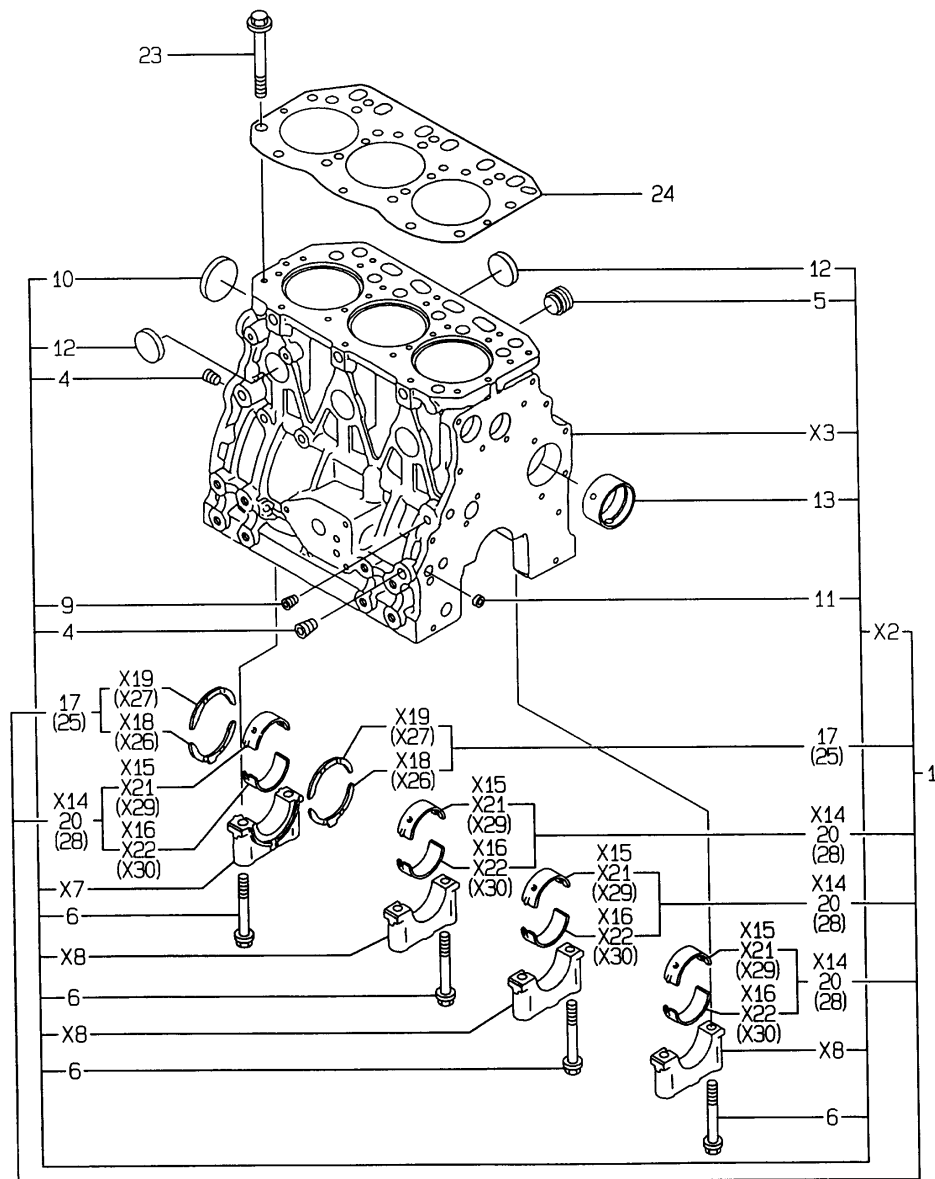
Figures or alphabets (symbols) are entered in the remarks column.

The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
3TNE88-YC			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD & AIR CLEANER		
6.	EXHAUST MANIFOLD		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL LINE		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET		

1. CYLINDER BLOCK



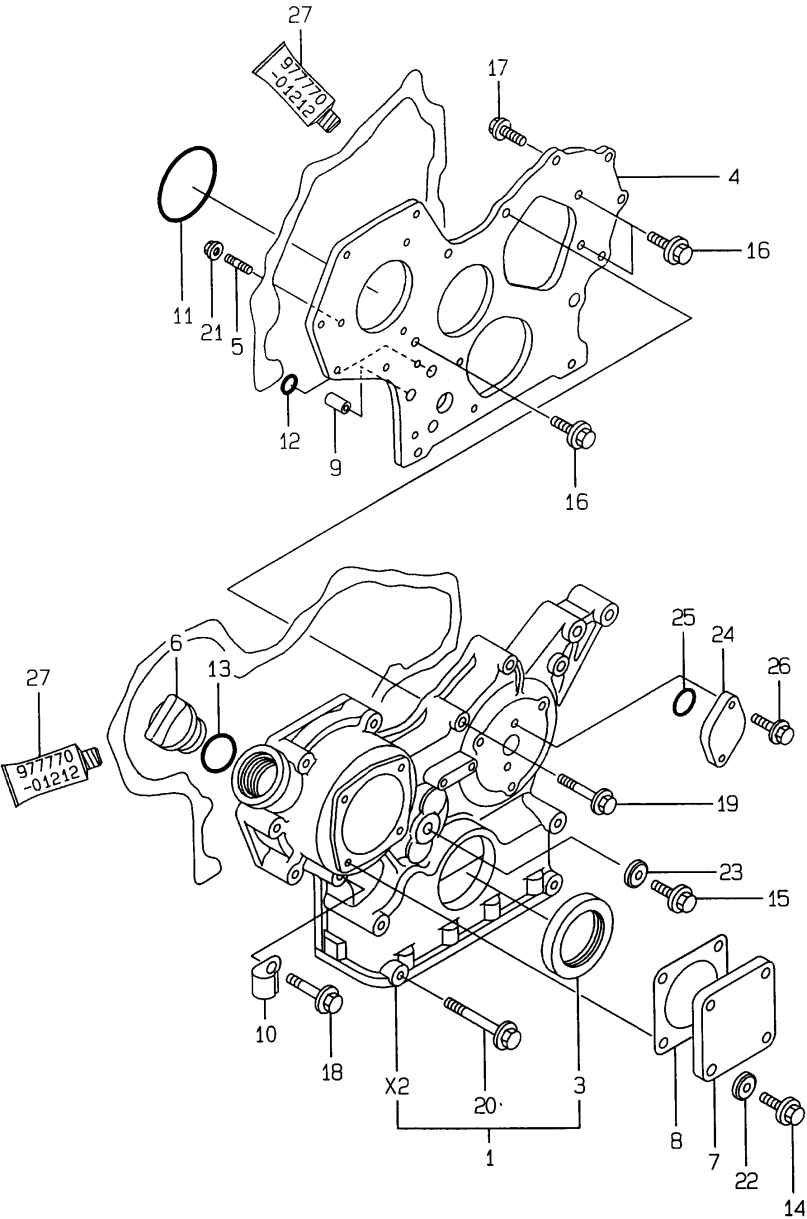
(1) OVER-SIZE(O.S=0.25)PART.
(2) UNDER-SIZE(U.S=0.25)PART.
(3) REPAIR PART.

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729001-01560	BLOCK ASSY, CYLINDER	1							
4	3	124160-01910	PLUG, PT1/4	3							
5	3	171051-01921	PLUG, NPTF1	1							
6	3	129150-02020	BOLT, METAL CAP	8							
9	3	23871-010000	PLUG, R01	1							
10	3	27231-500000	PLUG 50	1							
11	3	27241-120000	PLUG, 12	2							
12	3	27241-300000	PLUG 30	6							
13	3	129795-02411	BUSH, CAMSHAFT	1							
17	2	129150-02930	BEARING, THRUST	2							
20	2	129001-02930	BEARING, MAIN	4							3
23	1	129150-01200	BOLT, HEAD	14							
24	1	129001-01340	GASKET, HEAD	1							
25	1	129150-02940	BEARING, THRUST 0.25	2							1
28	1	129150-02870	BEARING, 0.25 US	4							

Fig.2. GEAR HOUSING

2.GEAR HOUSING



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01500	CASE ASSY, GEAR	1							
3	2	129795-01800	SEAL, OIL	1							
4	1	129400-01520	FLANGE, GEAR CASE	1							
5	1	121450-01560	STUD, M8X22	3							
6	1	124160-01751	COVER, FILLER	1							
7	1	124240-01871	COVER	1							
8	1	124240-01883	GASKET	1							
9	1	129795-01950	PIPE, KNOCK L=18	2							
10	1	129150-03100	RETAINER, PIPE	1							
11	1	121850-51960	O-RING	1							
12	1	24311-000160	O-RING, 1AP16.0	2							
13	1	24311-000320	O-RING, 1AP32.0	1							
14	1	26106-080122	BOLT, M8X 12 PLATED	4							
15	1	26106-080162	BOLT, M8X 16 PLATED	1							
16	1	26106-080162	BOLT, M8X 16 PLATED	3							
17	1	26106-080202	BOLT, M8X 20 PLATED	2							
18	1	26106-080452	BOLT, M8X 45 PLATED	6							
19	1	26106-080552	BOLT, M8X 55 PLATED	3							
20	1	129001-91840	BOLT, M8X85	4							
21	1	26366-080002	NUT, M8	3							
22	1	22190-080002	WASHER, SEAL 6	4							
23	1	22190-080002	WASHER, SEAL 6	1							
24	1	121023-01550	COVER	1							
25	1	24341-000240	O-RING, 1AS24.0	1							
26	1	26106-060162	BOLT, M6X 16 PLATED	2							
27	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

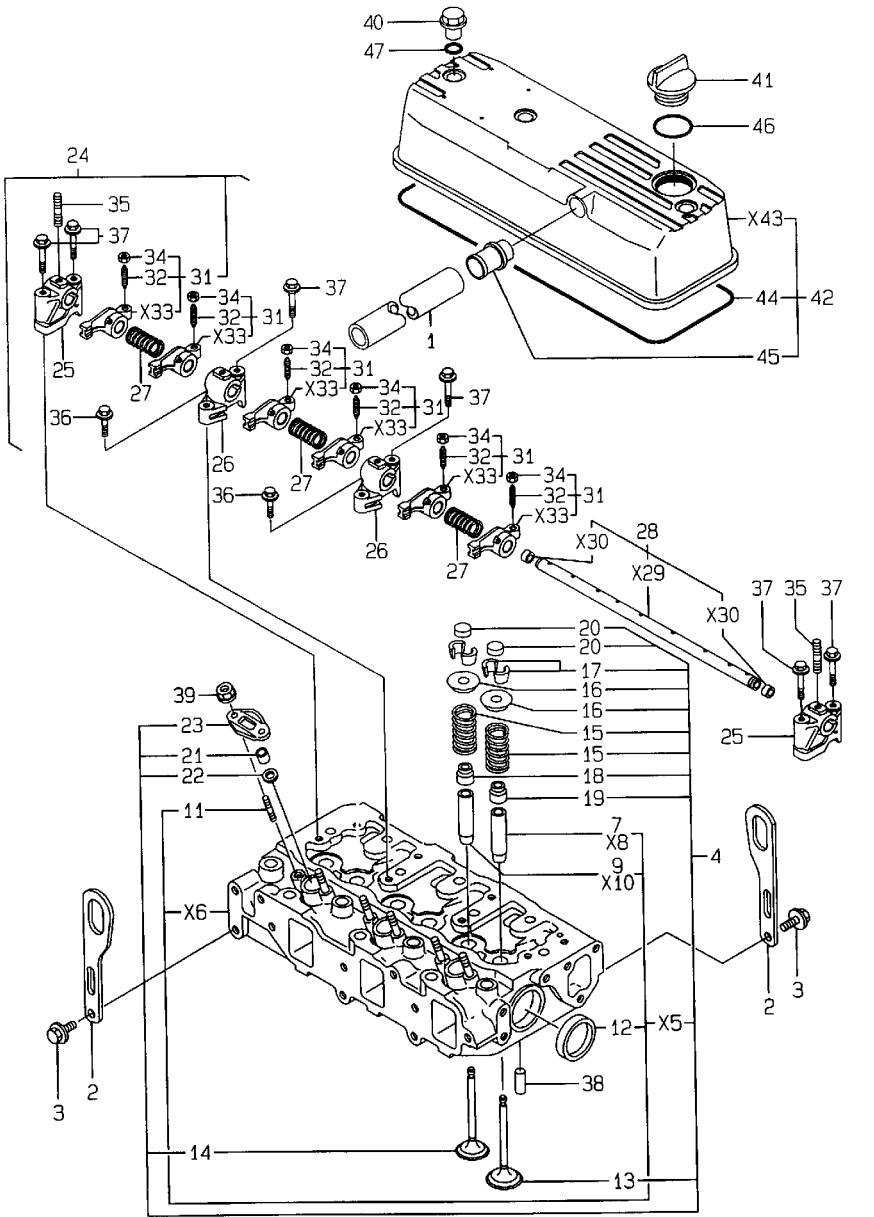


				(A)=3TNE88-YC (B)= (C)=	(D)= (E)= (F)=					
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty (C)	(D)	(E)	(F)	I R
1	1	129100-01580	PIN, M8X16	2						
2	1	129612-01600	HOUSING, FLYWHEEL	1						
3	1	119620-01750	CAP	1						
4	1	26206-100252	BOLT, M10X 25 PLATED	6						
5	1	26206-100302	BOLT, M10X 30 PLATED	4						
6	1	129100-01730	SPACER, OIL SUMP	1						
7	1	129100-01760	SUMP ASSY, OIL	1						
8	2	171301-01640	PLUG, 22	1						
10	2	24341-000250	O-RING, 1AS25.0	1						
11	1	26106-080162	BOLT, M8X 16 PLATED	4						
12	1	26106-080252	BOLT, M8X 25 PLATED	2						
13	1	26106-080452	BOLT, M8X 45 PLATED	20						
13-1	1	26106-080452	BOLT, M8X 45 PLATED	16						K
(A=FROM 1ST)										
14	1	129100-01580	PIN, M8X16	2						
15	1	129100-01640	CASE ASSY, OIL SEAL	1						
17	2	129795-01780	SEAL, OIL	1						
18	1	129486-01670	BOLT, M8X30	6						
19	1	26106-080352	BOLT, M8X 35 PLATED	3						
20	1	977770-01212	GASKET, LIQUID	1						1
21	1	26106-080502	BOLT, M8X 50 PLATED	4						W
(A=FROM 1ST)										

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.4. CYLINDER HEAD & BONNET

4.CYLINDER HEAD & BONNET



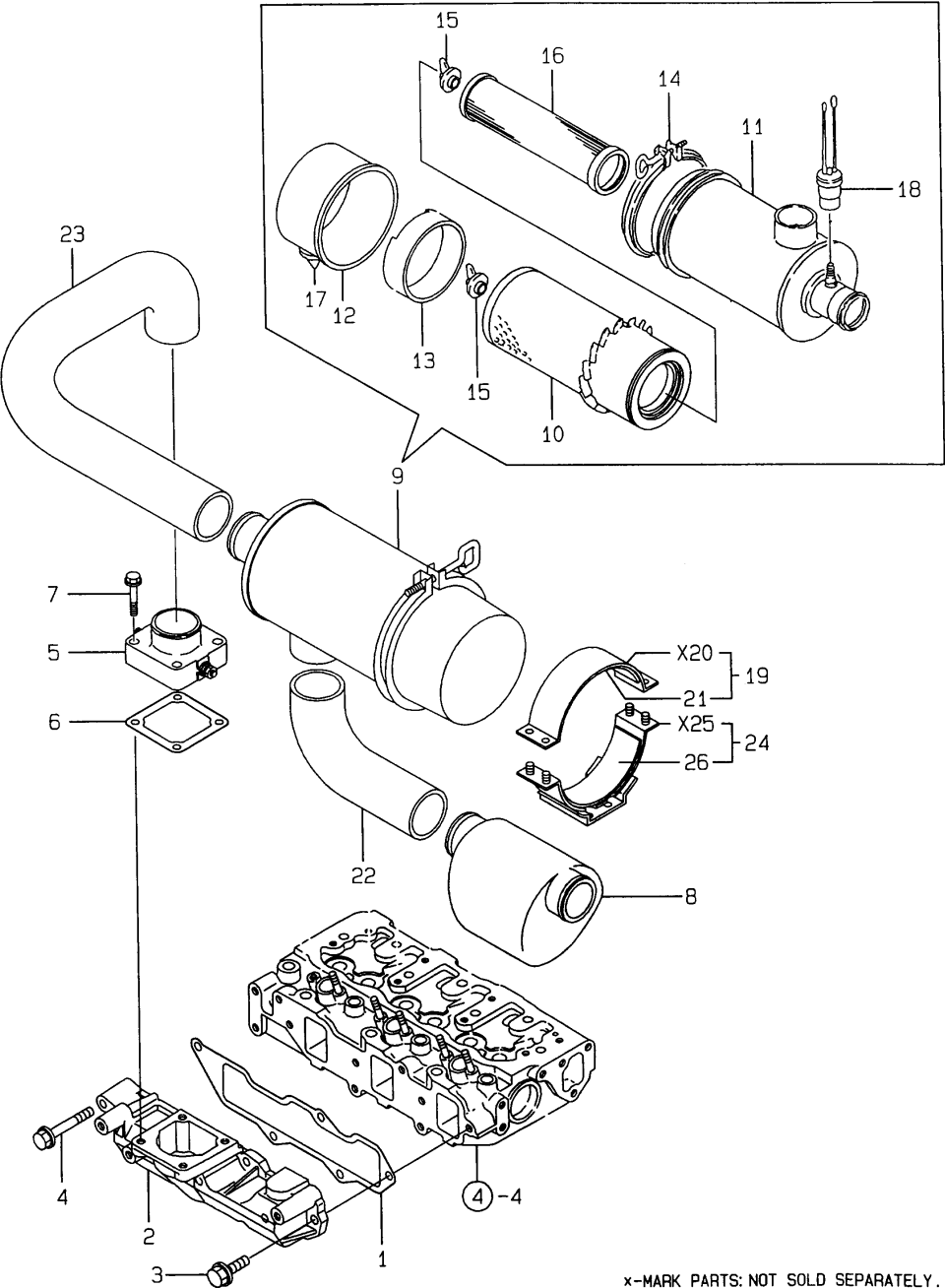
x-MARK PARTS: NOT SOLD SEPARATELY.

Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-03090	HOSE, ID16X2T	1							
2	1	124736-07900	LIFTER	2							
3	1	26106-080142	BOLT, M8X 14 PLATED	4							
4	1	129001-11700	HEAD ASSY, CYLINDER	1							
7	3	120130-11860	GUIDE, VALVE	3							1
9	3	129150-11810	GUIDE, VALVE	3							1
11	3	26216-060202	STUD, M6X 20	6							
12	3	27241-400000	PLUG, 40	2							
13	2	129100-11100	VALVE, INTAKE	3							
14	2	129100-11110	VALVE, EXHAUST	3							
15	2	129795-11120	SPRING, VALVE	6							
16	2	129795-11180	RETAINER, SPRING	6							
17	2	27310-080001	COTTER, 8	6							
18	2	121400-11340	SEAL, VALVE STEM	3							
19	2	124460-11340	SEAL, VALVE STEM	3							
20	2	129150-11370	CAP, VALVE	6							
21	2	119625-11870	PROTECTOR, NOZZLE	3							
22	2	119625-11880	SEAT, NOZZLE	3							
23	2	119625-11900	RETAINER, NOZZLE	3							
24	1	129100-11240	SHAFT ASSY, ROCKER	1							
25	2	129155-11260	SUPPORT, ROCKER ARM	2							
26	2	129155-11270	SUPPORT, ROCKER ARM	2							
27	2	129150-11280	SPRING	3							
28	2	129150-11290	SHAFT, ROCKER ARM	1							
31	2	129100-11650	ARM, ROCKER	6							
32	3	129150-11230	SCREW, VALVE ADJUST	6							
34	3	129150-11750	NUT, M8	6							
35	2	26226-080182	STUD, M8X 18	3							
36	1	26106-080252	BOLT, M8X 25 PLATED	2							
37	1	26106-080502	BOLT, M8X 50 PLATED	6							
38	1	22351-060012	PIN, SPRING 6.0X12	2							
39	1	26366-060002	NUT, M6	6							
40	1	124160-11360	KNOB	3							
41	1	124160-01751	COVER, FILLER	1							
42	1	129001-11350	BONNET ASSY, HEAD	1							
44	2	129001-11310	GASKET, BONNET	1							
45	2	129001-11340	PIPE , BREATHER	1							
46	1	24311-000320	O-RING, 1AP32.0	1							
47	1	24311-000120	O-RING, 1AP12.0	3							

Fig.5. SUCTION MANIFOLD & AIR CLEANER

5.SUCTION MANIFOLD & AIR CLEANER



x-MARK PARTS: NOT SOLD SEPARATELY.

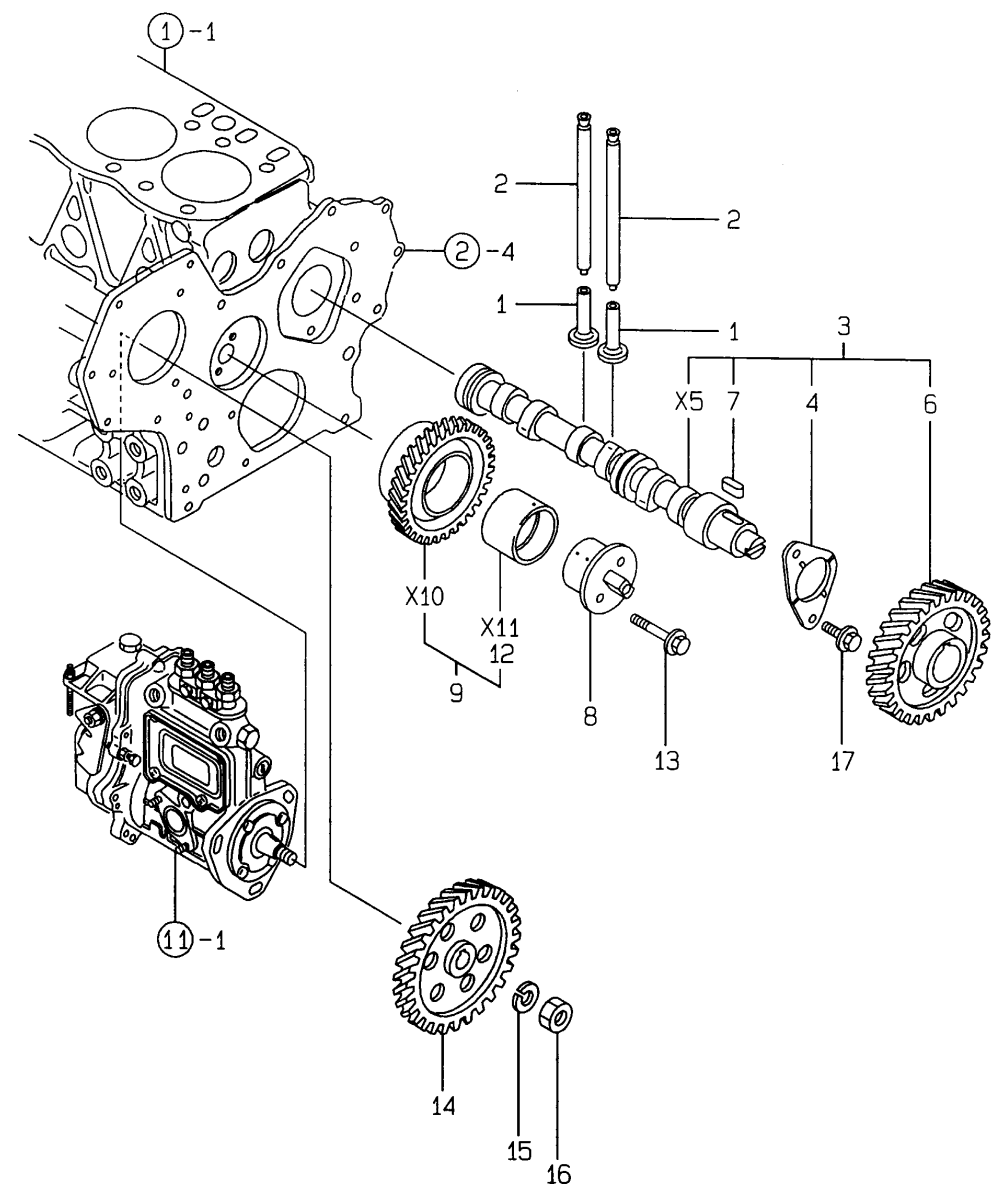
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-12110	GASKET, MANIFOLD	1							
2	1	129001-12120	MANIFOLD, AIR INTAKE	1							
3	1	26106-080202	BOLT, M8X 20 PLATED	4							
4	1	26106-080502	BOLT, M8X 50 PLATED	1							
5	1	129120-77501	HEATER	1							
6	1	129150-77511	GASKET	1							
7	1	26106-080352	BOLT, M8X 35 PLATED	4							
8	1	121855-12060	SILENCER ASSY	1							
9	1	171061-12500	CLEANER ASSY, AIR	1							
10	2	121420-12511	ELEMENT	1							
11	2	171061-12520	BODY ASSY	1							
12	2	121422-12530	CUP	1							
13	2	121420-12540	SCARF, BAFFLE	1							
14	2	121420-12550	CLAMP ASSY	1							
15	2	121420-12561	NUT, WING	2							
16	2	121422-12570	ELEMENT	1							
17	2	121422-12580	VALVE, UNLOADER	1							
18	2	171061-12800	INDICATOR	1							
19	1	121400-12540	BAND ASSY, CLEANER	1							
21	2	121400-12570	SEAT, RUBBER B	1							
22	1	129030-12550	PIPE, AIR INTAKE	1							
23	1	129030-12560	PIPE, AIR INTAKE	1							
24	1	171351-12580	SUPPORT ASSY,CLEANER	1							
26	2	171351-12570	SEAT, RUBBER	1							

This diagram shows an exploded view of a mechanical assembly. The main component is a large, complex casting (1) with multiple mounting points. A bracket (2) is shown attached to the side of the casting. A long bolt (6) is shown passing through the casting and the bracket, secured by a nut (3). A smaller bolt (5) is shown passing through the casting. A square flange (7) is shown separately. A bolt (4) is shown passing through the casting. The bottom of the casting is labeled with a circled 4 and the text -4.

[illegible]

Fig.7. CAMSHAFT & DRIVING GEAR

7.CAMSHAFT & DRIVING GEAR

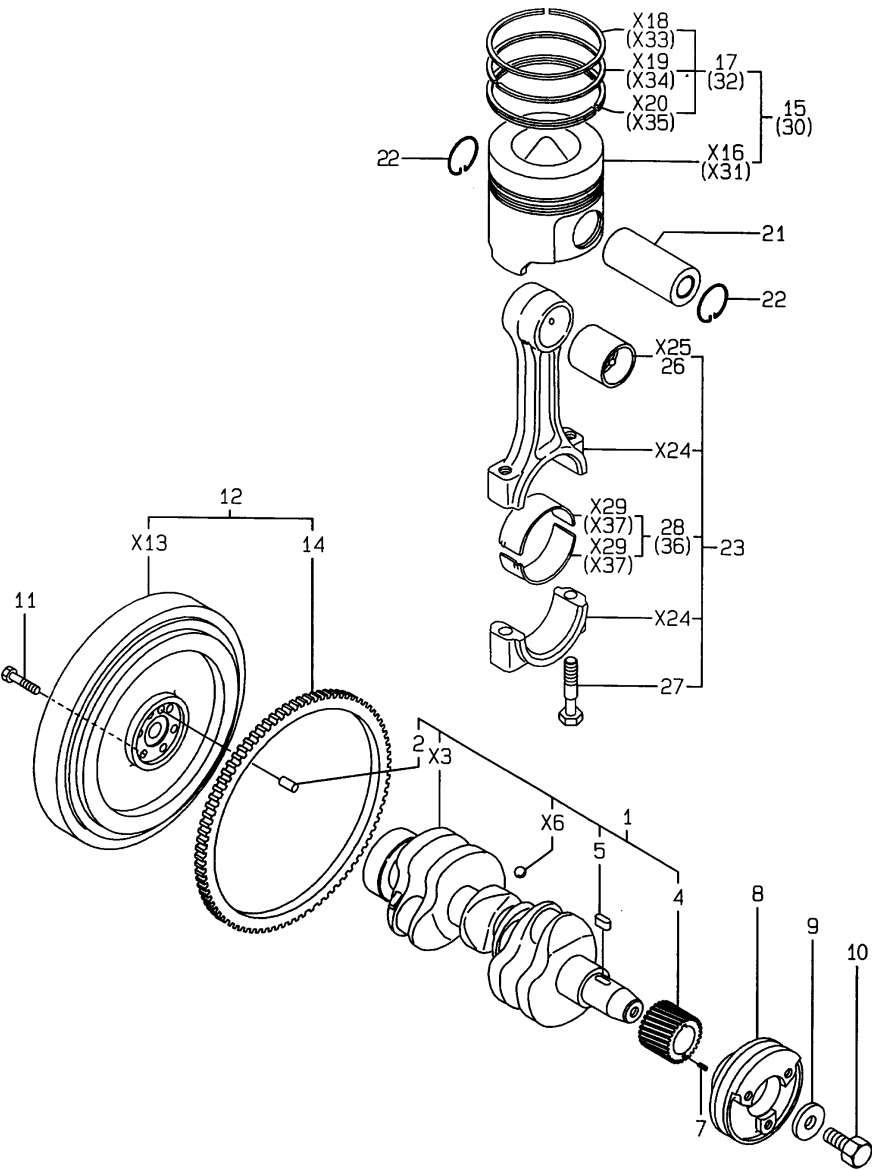


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6							
2	1	129150-14400	ROD, PUSH L=178	6							
3	1	129129-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
6	2	129150-14101	GEAR, CAMSHAFT	1							
7	2	22512-070140	KEY, 7X 14	1							
8	1	129100-25061	SHAFT, IDLE	1							
9	1	129150-25101	GEAR ASSY, IDLE	1							
12	2	129150-25920	BUSH, IDLE GEAR	1							1
13	1	26106-080452	BOLT, M8X 45 PLATED	2							
14	1	129150-25900	GEAR, PUMP	1							
15	1	22217-120000	WASHER, SPRING 12	1							
16	1	26716-120002	NUT, M12	1							
17	1	26106-080142	BOLT, M8X 14 PLATED	2							

Remarks
(1) REPAIR PART.

Fig.8. CRANKSHAFT & PISTON

8.CRANKSHAFT & PISTON

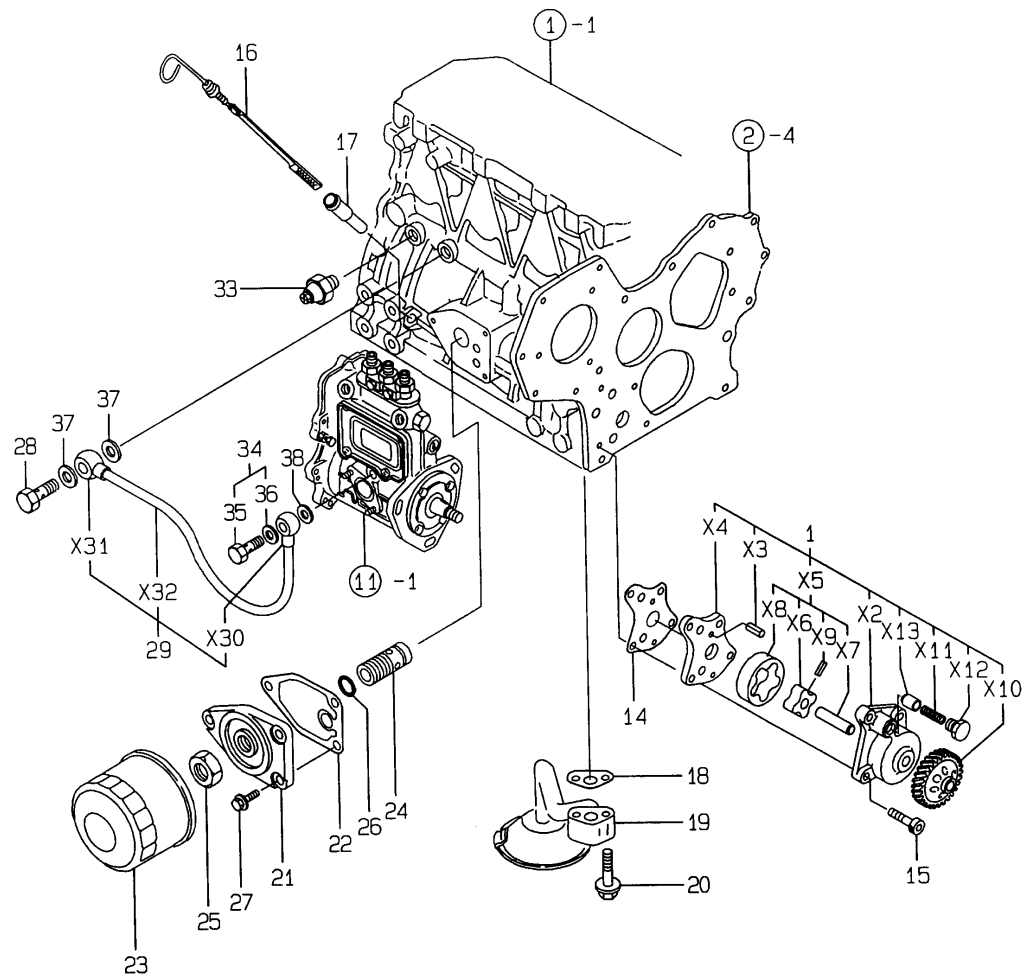


Remarks
(1) REPAIR PART.
(2) OVER-SIZE(O.S=0.25)PART.
(3) UNDER-SIZE(U.S=0.25)PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	129150-21200	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
7	1	22351-040010	PIN, SPRING 4.0X10	1							
8	1	171340-21650	V-PULLEY	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	171340-21580	FLYWHEEL ASSY	1							
14	2	119865-21600	GEAR, RING	1							
15	1	129001-22081	PISTON ASSY	3							
17	2	129001-22500	RING SET, PISTON	3							
21	1	129202-22300	PIN, PISTON D26 L70	3							
22	1	22252-000260	RING, 26	6							
23	1	729402-23100	ROD ASSY, CONNECTING	3							
26	2	129100-23910	BEARING, PISTON PIN	3							1
27	2	121550-23200	BOLT, CONNECTING ROD	6							
28	2	129150-23600	BEARING, CRANK PIN	3							
30	1	129001-22901	PISTON ASSY, 0.25 OS	3							2
32	2	129001-22950	RING SET, 0.25 OS	3							2
36	1	129150-23610	BEARING, 0.25 US	3							3

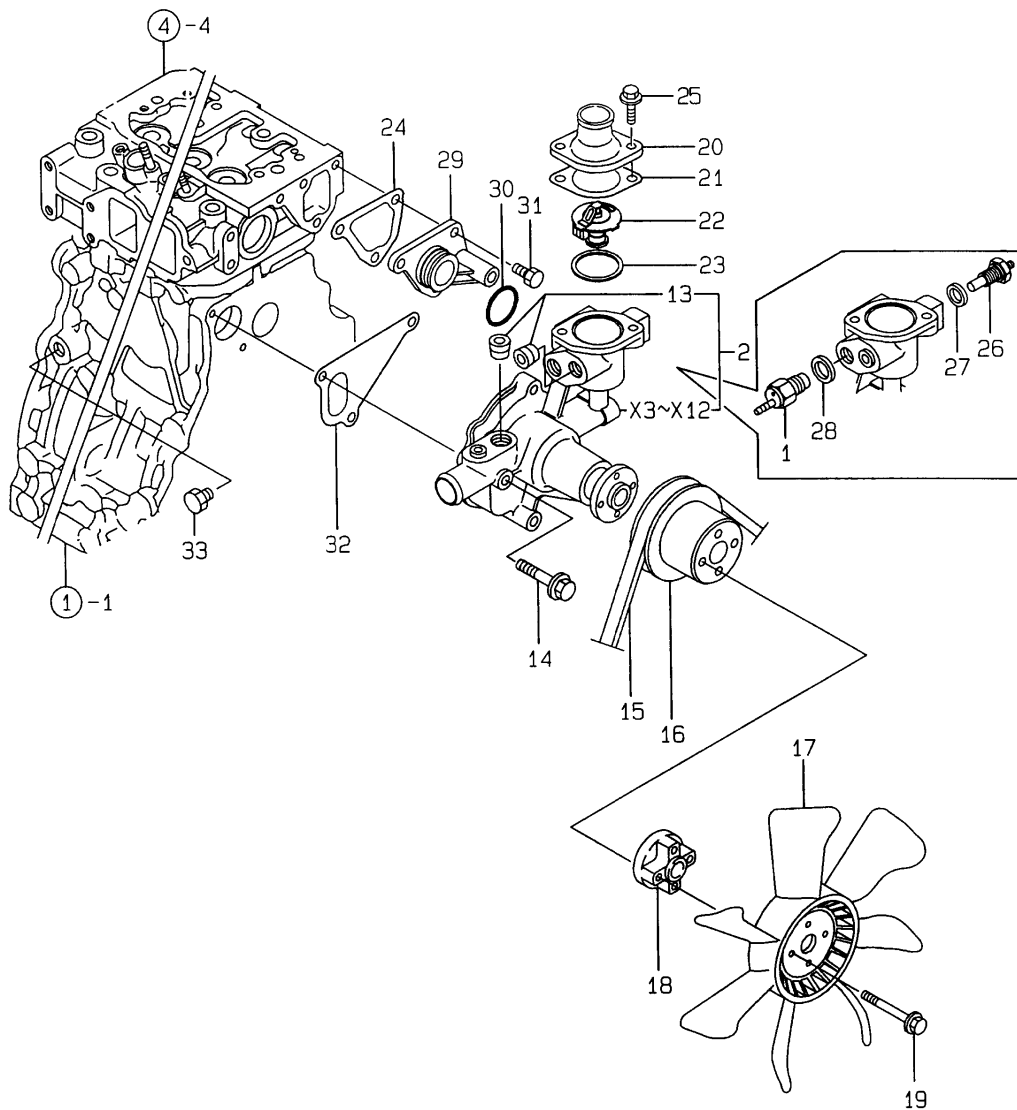
Fig.9. LUB.OIL SYSTEM

9.LUB.OIL SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-32001	PUMP ASSY, OIL	1							
14	1	129150-32020	GASKET, PUMP	1							
15	1	26450-060252	BOLT, M6X 25	4							
16	1	171420-34820	DIPSTICK, OIL	1							
17	1	121520-34810	GUIDE, DIPSTICK	1							
18	1	129150-35041	GASKET	1							
19	1	129100-35301	PIPE ASSY, OIL INLET	1							
20	1	26106-080352	BOLT, M8X 35 PLATED	2							
21	1	129150-35101	BRACKET, STRAINER	1							
22	1	129150-35111	GASKET	1							
23	1	129150-35151	FILTER, D80XL80	1							
24	1	129001-35300	BOLT, FILTER	1							
25	1	129150-35350	NUT	1							
26	1	24311-000160	O-RING, 1AP16.0	1							
27	1	26106-080202	BOLT, M8X 20 PLATED	3							
28	1	124160-39140	BOLT, PIPE JOINT M10	1							
29	1	129150-39450	PIPE ASSY, OIL	1							
33	1	121252-39450	SWITCH, 0.5KG	1							
34	1	124550-59830	BOLT ASSY, JOINT M8	1							
35	2	124550-59820	BOLT, PIPE JOINT M8	1							
36	2	22190-080002	WASHER, SEAL 6	1							
37	1	23414-100000	GASKET, 10X1.0	2							
38	1	22190-080002	WASHER, SEAL 6	1							

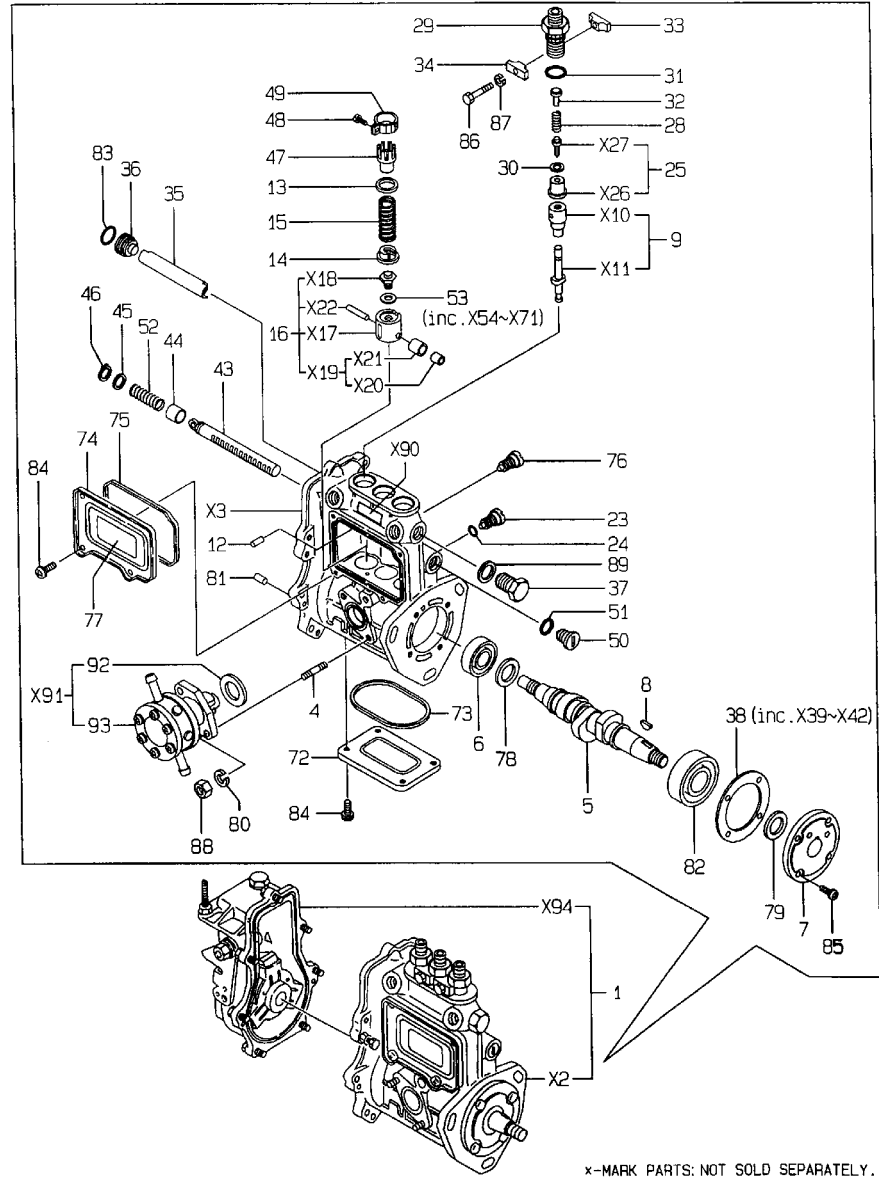
10. COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	121250-44901	SWITCH, 110	1					
2	1	129001-42002	PUMP ASSY, WATER	1					
13	2	23871-030000	PLUG, R03	2					
14	1	26106-080602	BOLT, M8X 60 PLATED	3					
15	1	25132-003800	V-BELT, A38	1					
16	1	129155-42350	V-PULLEY	1					
17	1	129120-44741	FAN, COOLING 360	1					
18	1	171353-44760	SPACER, FAN	1					
19	1	26106-060352	BOLT, M6X 35 PLATED	4					
20	1	129350-49530	COVER, THERMOSTAT	1					
21	1	129795-49551	GASKET	1					
22	1	129155-49800	THERMOSTAT, 71	1					
23	1	129150-49811	GASKET, THERMOSTAT	1					
24	1	129100-49840	GASKET	1					
25	1	26106-080222	BOLT, M8X 22 PLATED	2					
26	1	124250-49351	SENSOR	1					
27	1	129150-49360	GASKET	1					
28	1	124465-44950	GASKET, 16	1					
29	1	129001-42040	JOINT	1					
30	1	24321-000300	O-RING, 1AG30.0	1					
31	1	26106-080162	BOLT, M8X 16 PLATED	3					
32	1	129100-42020	GASKET, WATER PUMP	1					
33	1	171056-49120	PLUG, DRAIN	1					

Fig.11. FUEL INJECTION PUMP

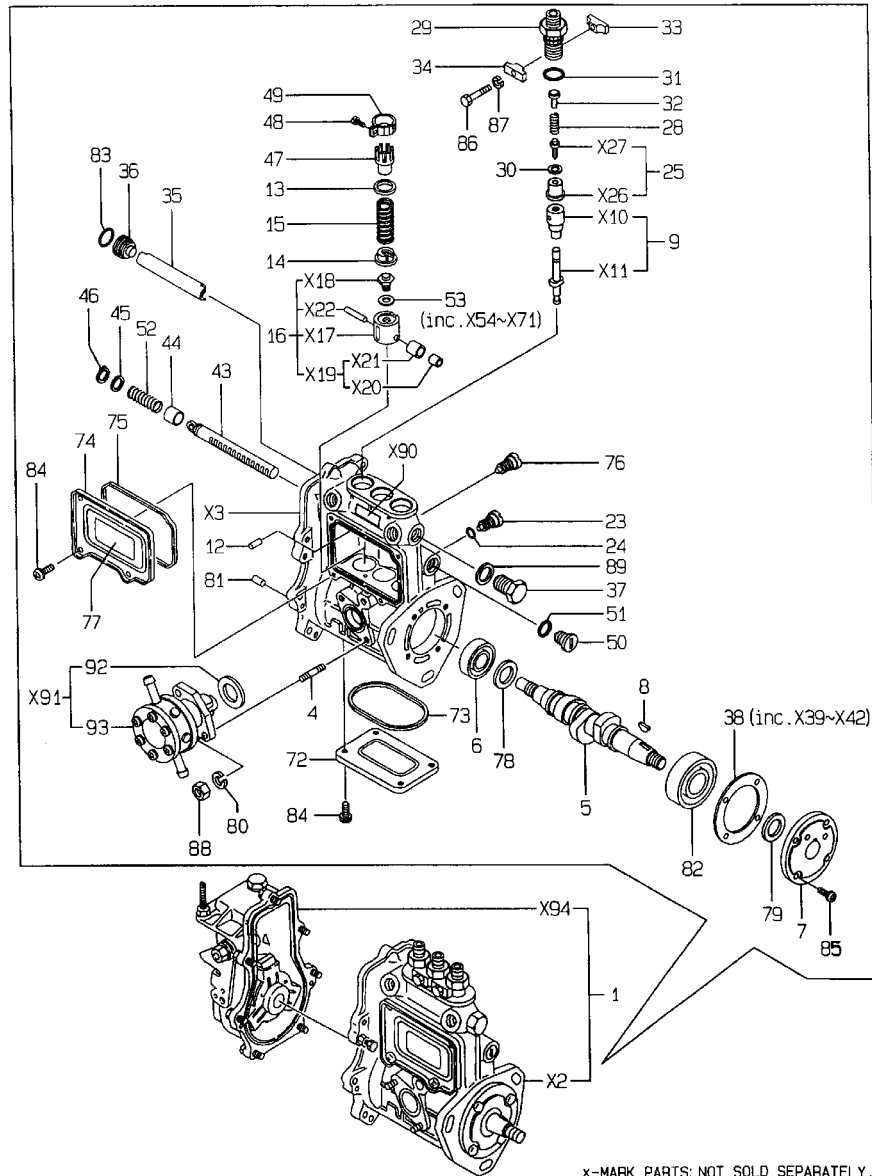
11.FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729031-51370	PUMP ASSY, INJECTION	1							1
4	3	129155-51020	STUD	2							
5	3	119810-51040	CAMSHAFT	1							
6	3	129155-51050	BEARING, 17BM001D	1							
7	3	129155-51060	SUPPORT, CAMSHAFT	1							
8	3	122710-51090	KEY	1							
9	3	129506-51100	PLUNGER ASSY	3							
12	3	129155-51140	PIN	3							
13	3	174307-51170	RETAINER, SPRING A	3							
14	3	129155-51180	RETAINER, SPRING	3							
15	3	124950-51190	SPRING, PLUNGER	3							
16	3	129155-51200	TAPPET ASSY	3							
23	3	129155-51270	STOPPER, TAPPET	3							
24	3	129155-51280	O-RING, S6	3							
25	3	129505-51300	VALVE ASSY, DELIVERY	3							
28	3	129155-51320	SPRING, DELIVERY	3							
29	3	129155-51340	RETAINER	3							
30	3	124550-51350	GASKET, DELIVERY	3							
31	3	124550-51370	O-RING	3							
32	3	129155-51370	STOPPER, VALVE	3							
33	3	129155-51380	STOPPER	2							
34	3	129155-51390	STOPPER	2							
35	3	129155-51400	DEFLECTOR	1							
36	3	129155-51410	BOLT	1							
37	3	129155-51420	PLUG, M16	1							
38	3	129155-51450	SHIM SET, ADJUSTING	1							
43	3	129155-51500	RACK, CONTROL	1							
44	3	129155-51521	BUSH, RACK	1							
45	3	129155-51530	SPACER	1							
46	3	129155-51540	CIRCLIP	1							
47	3	129155-51550	PINION, CONTROL	3							
48	3	122117-51560	SCREW	3							
49	3	174307-51560	PINION	3							
50	3	129155-51570	PLUG, M12	1							
51	3	129155-51580	O-RING	1							
52	3	129155-51591	SPRING, RACK	1							
53	3	129155-51600	SHIM SET, ADJUSTING	3							
72	3	129155-51700	COVER	1							
73	3	129155-51710	GASKET	1							
74	3	129155-51750	COVER	1							
75	3	129155-51760	GASKET	1							
76	3	129155-51790	STOOPER, RACK	1							
77	3	129156-51910	LABEL, CAUTION	1							
78	3	129155-51930	SPACER, T=3.25	1							
79	3	129155-51940	SPACER, T=1.5	1							
80	3	22217-060000	WASHER, SPRING 6	2							
81	3	22351-050010	PIN, SPRING 5.0X10	2							
82	3	24101-063034	BEARING, BALL 6303	1							
83	3	24341-000160	O-RING, 1AS16.0	1							
84	3	26022-050102	SCREW, M5X10	8							
85	3	26022-060162	SCREW, M6X16	4							

Remarks
(1)GOVERNOR ASSY(FIG.12)IS
INCORPORATED IN THIS FUEL
INJECTION PUMP ASSY(REF.NO.1)

11. FUEL INJECTION PUMP



X-MARK PARTS: NOT SOLD SEPARATELY.

Remarks

(1)GOVERNOR ASSY(FIG.12)IS
INCORPORATED IN THIS FUEL
INJECTION PUMP ASSY(REF.NO.1)

(A)=3TNE88-YC

$$(B)=$$

(C)=

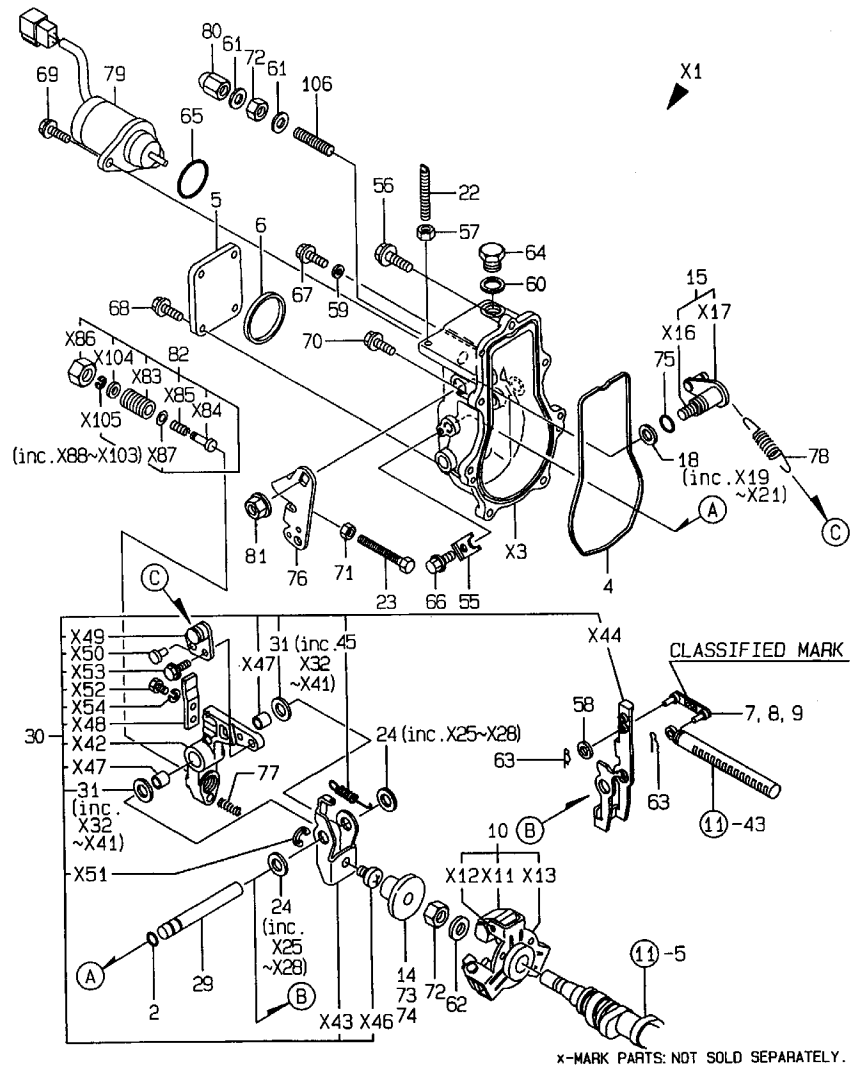
(D)=

$$(E)=$$
$$(F)=$$

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
86	3	26116-050302	BOLT, M5X 30 PLATED	2							
87	3	22217-050000	WASHER, SPRING 5	2							
88	3	26716-060002	NUT, M6	2							
89	3	22190-160002	WASHER, SEAL 16	1							
92	3	129155-52050	GASKET	1							
93	3	129100-52100	PUMP ASSY, FUEL FEED	1							

Fig.12. GOVERNOR

12. GOVERNOR

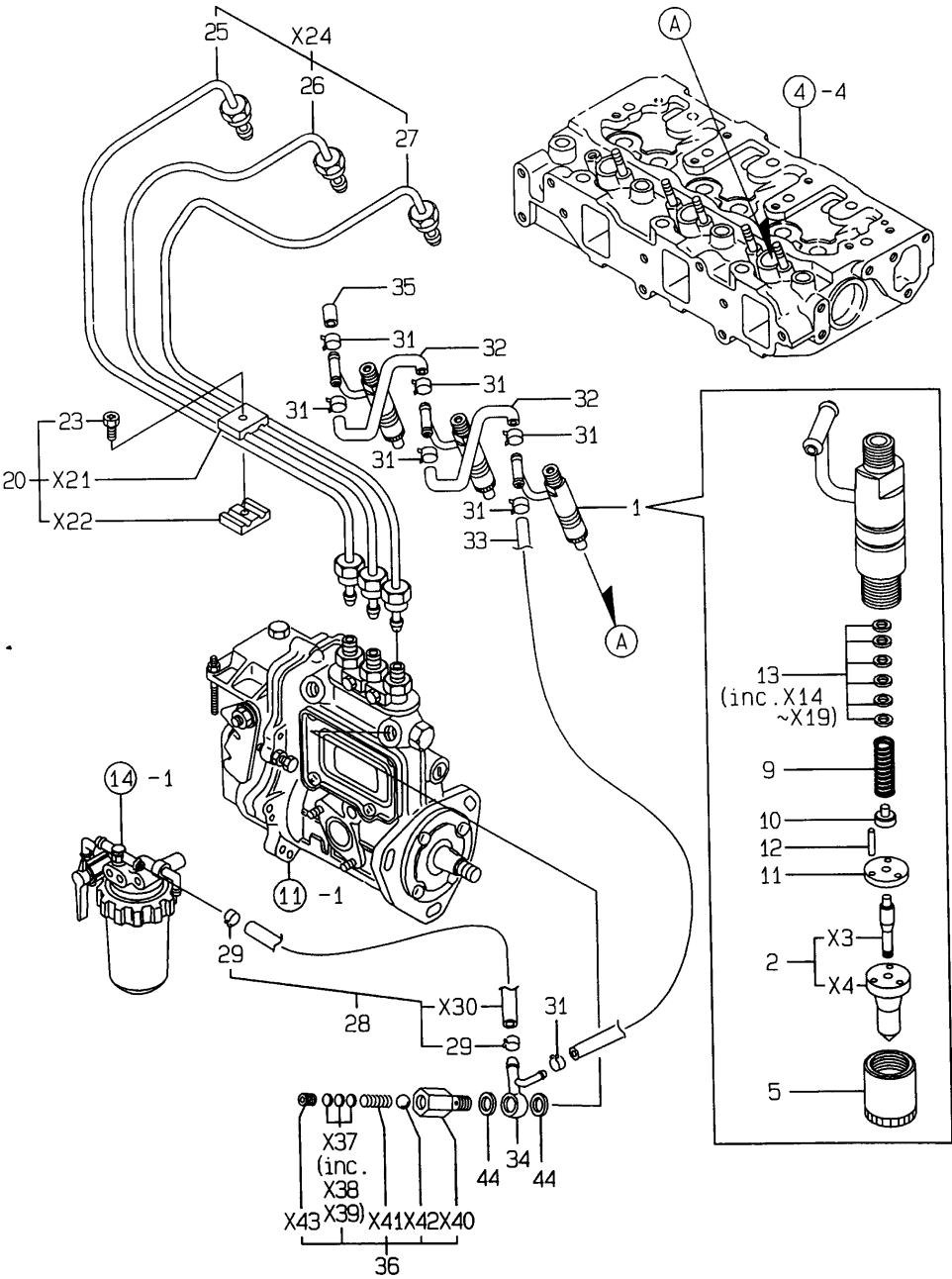


Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION).
(2) SELECTIVE PARTS.
* THIS FIGURE(GOVERNOR ASSY)IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.11).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	129155-51280	O-RING, S6	1							
4	3	129052-61050	GASKET	1							
5	3	129052-61060	COVER, GOVERNOR CASE	1							
6	3	129052-61070	GASKET	1							
7	3	129155-61120	LINK, L=30 MARK 0	1							1
8	3	129155-61130	LINK, L=31 MARK 1	1							1
9	3	129155-61140	LINK, L=30.5 MARK 05	1							1
10	3	129155-61201	WEIGHT ASSY,GOVERNOR	1							
14	3	129155-61341	SLEEVE	1							2
15	3	129100-61400	SHAFT ASSY	1							
18	3	129155-61430	SPACER	1							
22	3	129155-61450	BOLT, LIMITER	1							
23	3	129155-61460	BOLT, IDLE	1							
24	3	129155-61480	SPACER ASSY	2							
29	3	129052-61390	SHAFT	1							
30	3	129052-61500	LEVER ASSY, GOVERNOR	1							
31	4	174307-51700	SHIM SET	2							
45	4	129052-61540	SPRING, SET	1							
55	3	119660-61901	RETAINER, SHAFT	1							
56	3	129155-61950	BOLT	1							
57	3	124550-66370	NUT, M6	1							
58	3	22117-040000	WASHER, 4	1							
59	3	22190-060003	SEAL WASER 6	1							
60	3	22190-100002	WASHER, SEAL 10	1							
61	3	22190-120002	WASHER, SEAL 12	2							
62	3	22287-120000	WASHER, 12	1							
63	3	22372-040000	PIN, SNAP 4	2							
64	3	23887-100002	PLUG, 10	1							
65	3	24341-000280	O-RING, 1AS28.0	1							
65-1	3	158552-61900	O-RING	1							N
(A=EXXXXX)											
66	3	26106-060102	BOLT, M6X 10 PLATED	1							
67	3	26106-060102	BOLT, M6X 10 PLATED	1							
68	3	26106-060102	BOLT, M6X 10 PLATED	4							
69	3	26106-060142	BOLT, M6X 14 PLATED	2							
70	3	26106-060202	BOLT, M6X 20 PLATED	6							
71	3	26756-060002	NUT, LOCK M6	1							
72	3	26776-120002	NUT, LOCK M12	2							
73	3	129155-61350	SLEEVE, L=24.9	1							2
74	3	129155-61360	SLEEVE, L=25.2	1							2
75	3	129155-61830	O-RING, S10	1							
76	2	129100-61440	LEVER, CONTROL	1							
77	2	129100-61650	SPRING, CONTROLLER	1							
78	2	129489-61700	SPRING, GOVERNOR	1							
79	2	119653-77950	SOLENOID, STOP	1							
80	2	26687-120002	NUT, CAP M12	1							
81	2	26366-080002	NUT, M8	1							
82	2	129132-61550	ANGLEICH ASSY	1							
106	2	129155-61470	BOLT, CONTROL	1							

Fig.13. FUEL INJECTION VALVE

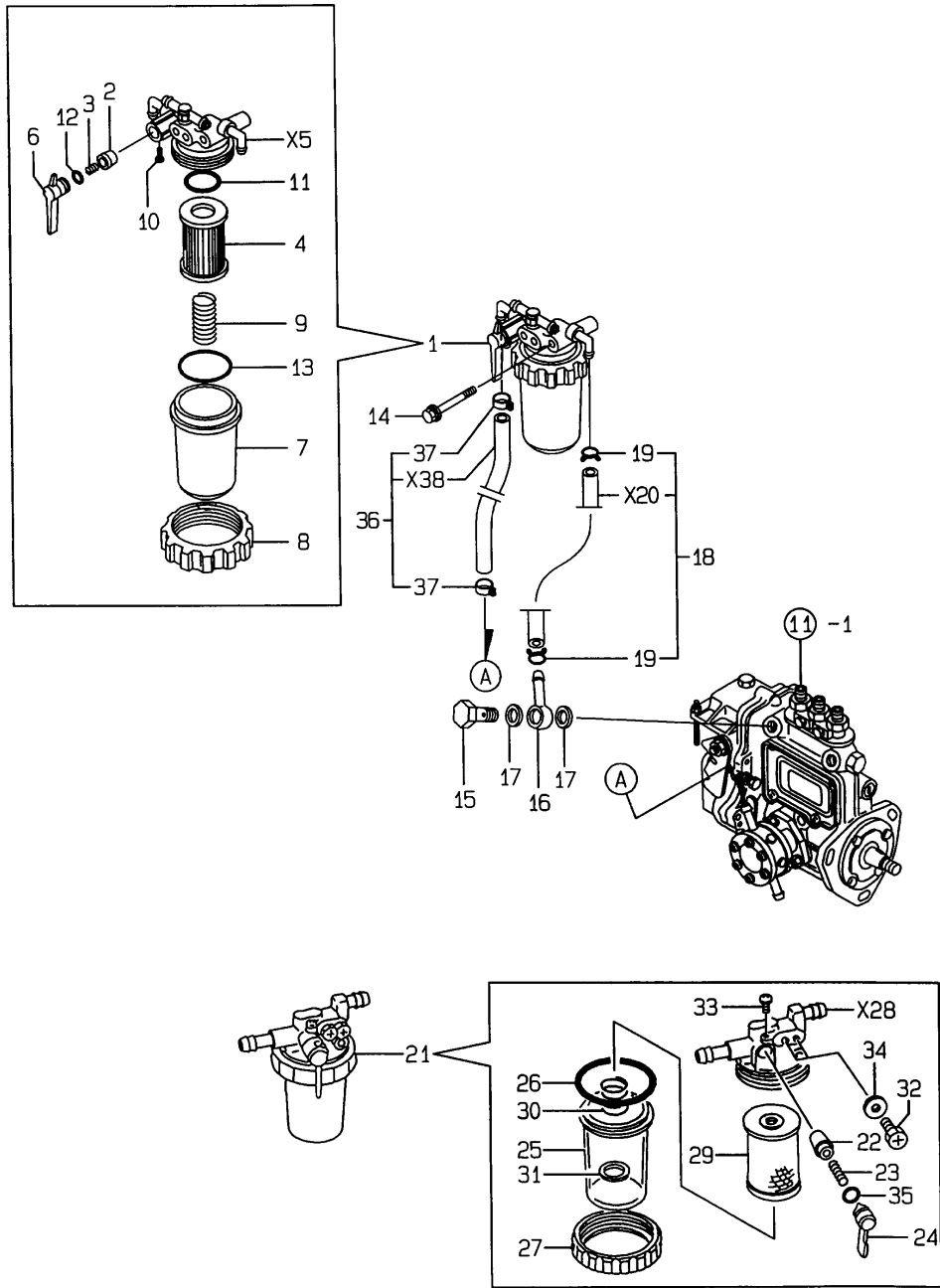
13.FUEL INJECTION VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729102-53100	VALVE ASSY,INJECTION	3							
2	2	129102-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
9	2	114250-53120	SPRING, NOZZLE	3							
10	2	114250-53130	SEAT, SPRING	3							
11	2	114250-53140	PLATE	3							
12	2	114250-53210	PIN	6							
13	2	114250-53400	SHIM SET	3							
20	1	119305-59120	RETAINER, PIPE	2							
23	2	129150-59131	BOLT, M4X14	2							
25	2	129052-59910	PIPE ASSY, INJECTION	1							
26	2	129052-59920	PIPE ASSY, INJECTION	1							
27	2	129052-59930	PIPE ASSY, INJECTION	1							
28	1	129210-59130	PIPE ASSY, FUEL	1							
29	2	124766-59050	CLIP, HOSE 12	2							
31	1	124066-59100	CLIP, HOSE 8	7							
32	1	121250-59550	PIPE, FUEL D8X120	2							
33	1	119840-59560	PIPE, FUEL RETURN	1							
34	1	119840-59570	JOINT	1							
35	1	129150-59580	CAP	1							
36	1	129100-59951	VALVE ASSY, CHECK	1							
44	1	23414-120000	GASKET, 12X1.0	2							

Fig.14. FUEL LINE

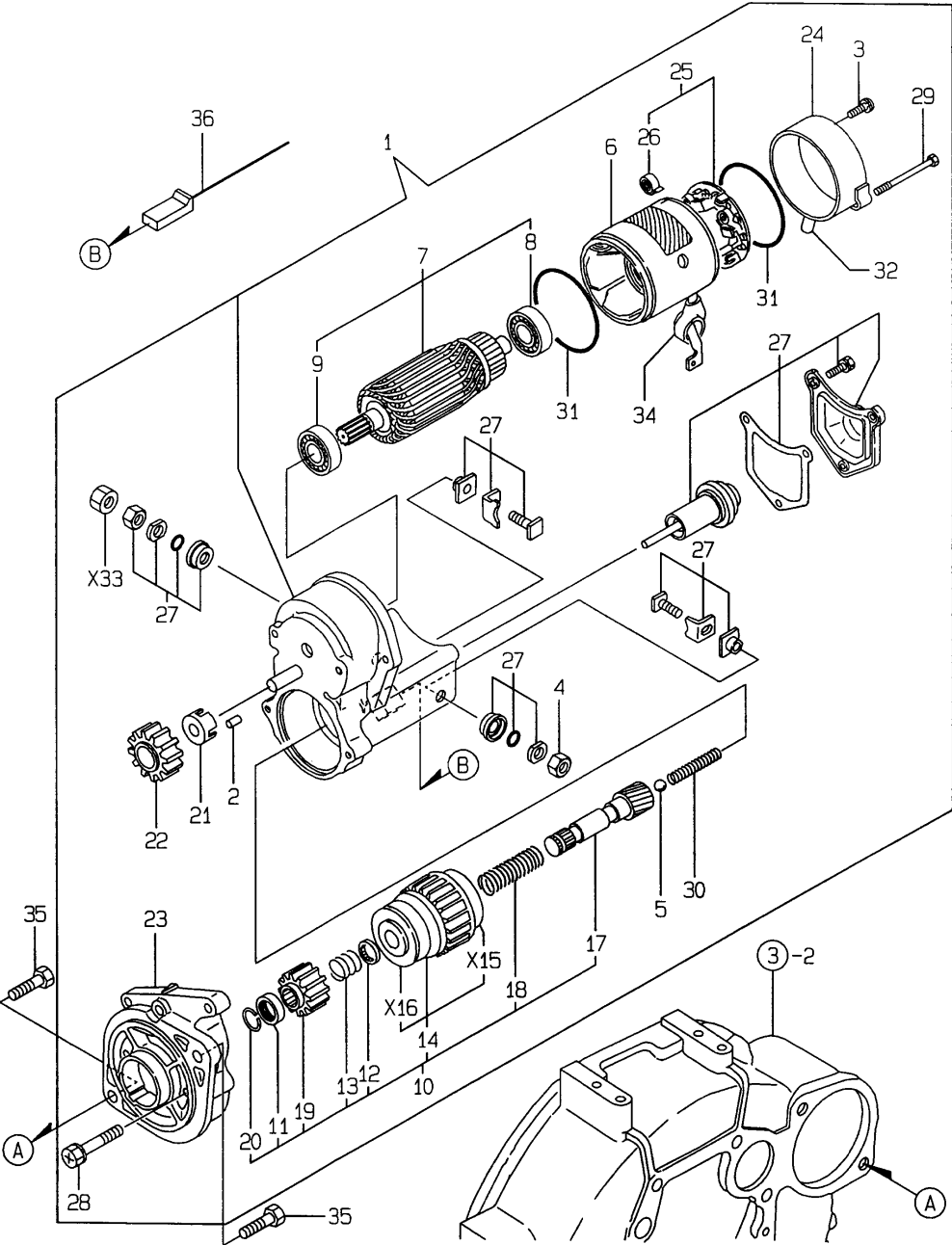
14.FUEL LINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129052-55620	FILTER ASSY, FUEL	1							
2	2	104200-55321	VALVE, TAPER	1							
3	2	104200-55330	SPRING, VALVE	1							
4	2	129100-55650	ELEMENT	1							
6	2	129100-55670	LEVER	1							
7	2	129100-55680	CUP, STRAINER	1							
8	2	129100-55690	RING, RETAINING	1							
9	2	129100-55700	SPRING	1							
10	2	104200-55750	SCREW, M4	1							
11	2	24311-000160	O-RING, 1AP16.0	1							
12	2	24311-240100	O-RING, 1AP10A	1							
13	2	24321-000650	O-RING, 1AG65.0	1							
14	1	26014-080702	BOLT, M8X 70	1							
15	1	103854-39140	BOLT, PIPE JOINT	1							
16	1	101304-59020	JOINT, PIPE 12	1							
17	1	22190-120002	WASHER, SEAL 12	2							
18	1	129210-59040	PIPE ASSY, FUEL	1							
19	2	124766-59050	CLIP, HOSE 12	2							
21	1	121850-55800	SEPARATOR ASSY,WATER	1							
22	2	104200-55321	VALVE, TAPER	1							
23	2	104200-55330	SPRING, VALVE	1							
24	2	104200-55341	HANDLE	1							
25	2	121254-55510	COVER	1							
26	2	102103-55520	O-RING	1							
27	2	110250-55610	RING, RETAINING	1							
29	2	121850-55710	SCREEN	1							
30	2	121257-55720	SPRING	1							
31	2	121257-55731	FLOAT	1							
32	2	101720-55750	PLUG, 6	2							
33	2	104200-55750	SCREW, M4	1							
34	2	23418-060000	GASKET, 6X1.0	2							
35	2	24311-240100	O-RING, 1AP10A	1							
36	1	129210-59150	PIPE ASSY, FUEL	1							
37	2	124766-59050	CLIP, HOSE 12	2							

Fig.15. STARTING MOTOR

15.STARTING MOTOR

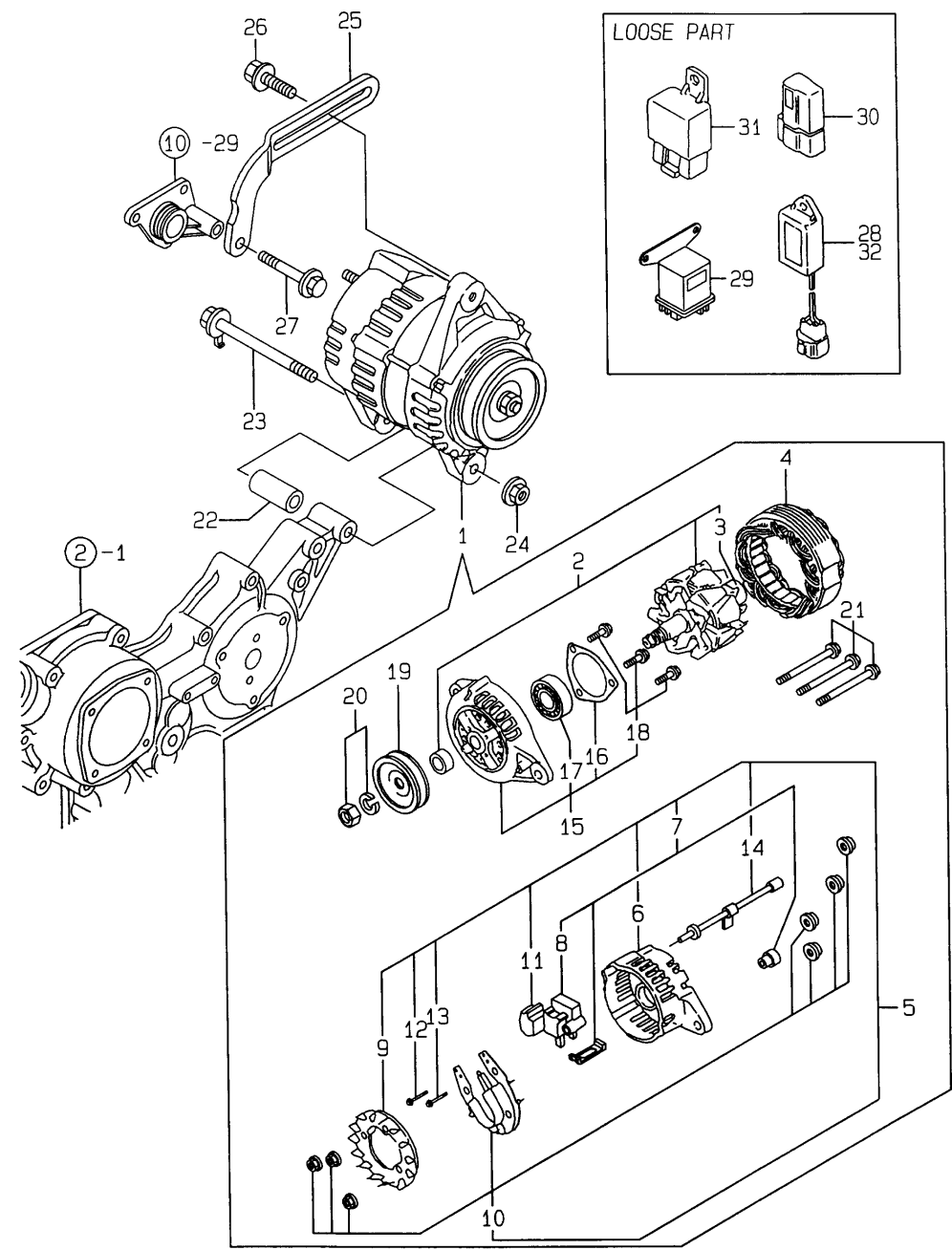


x-MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-77010	STARTER ASSY	1							
2	2	X0283060061	ROLLER	5							
3	2	129129-77460	SCREW	2							
4	2	X9490561370	NUT	1							
5	2	X9491200240	BALL	1							
6	2	129129-77210	YOKE ASSY	1							
7	2	129129-77220	ARMATURE ASSY	1							
8	3	129129-77230	BEARING	1							
9	3	129129-77240	BEARING	1							
10	2	129129-77250	STARTER	1							
11	3	X0280210230	NUT	1							
12	3	X0283270140	RETAINER	1							
13	3	X9491703371	SPRING, COIL	1							
14	3	129129-77390	CLUTCH ASSY	1							
17	3	129129-77400	SHAFT	1							
18	3	129129-77410	SPRING, COIL	1							
19	3	129129-77420	PINION, STARTER	1							
20	3	129129-77430	RING	1							
21	2	129129-77260	RETAINER	1							
22	2	129129-77270	PINION	1							
23	2	129129-77280	HOUSING	1							
24	2	129129-77290	FRAME	1							
25	2	129129-77300	HOLDER ASSY	1							
26	3	X9491730461	SPRING	4							
27	2	129129-77310	SWITCH ASSY	1							
28	2	129129-77320	BOLT	2							
29	2	129129-77330	BOLT	2							
30	2	129129-77340	SPRING	1							
31	2	129129-77350	O-RING	2							
32	2	129129-77362	COVER	1							
34	2	129129-77380	CAP	1							
35	1	26116-120252	BOLT, M12X 25 PLATED	2							
36	1	119643-77900	CONNECTOR, STARTER	1							

Fig.16. GENERATOR

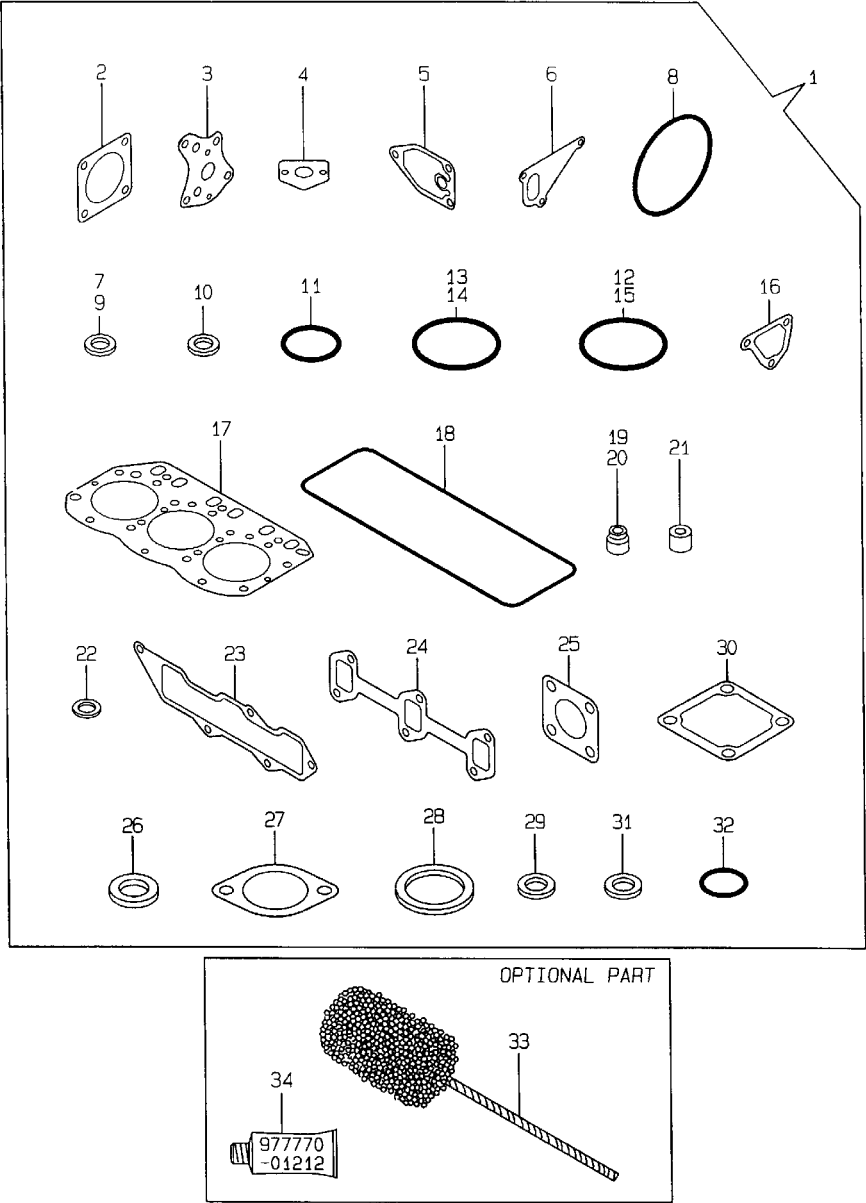
16. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77200	GENERATOR	1							
2	2	119836-77700	ROTOR ASSY	1							
3	3	119836-77850	BALL BEARING	1							
4	2	119836-77710	STATOR ASSY	1							
5	2	119836-77721	COVER ASSY, REAR	1							
6	3	119836-77730	COVER, REAR	1							
7	3	119836-77741	BRUSH ASSY,REGULATOR	1							
8	4	119836-77750	BRUSH ASSY	1							
9	3	119836-77760	GUIDE, FAN SIDE	1							
10	3	119836-77770	DIODE ASSY	1							
11	3	119836-77780	CONDENSER	1							
12	3	119836-77871	BOLT (1)	1							
13	3	119836-77880	BOLT (2)	1							
14	3	119836-77890	WIRE ASSY, LEAD	1							
15	2	119836-77790	COVER ASSY, FRONT	1							
16	3	119836-77800	RETAINER, BEARING	1							
17	3	119836-77840	BALL BEARING	1							
18	3	119836-77860	SCREW KID	1							
19	2	119836-77810	PULLEY	1							
20	2	119836-77820	NUT ASSY, PULLEY	1							
21	2	119836-77830	BOLT, THROUGH	1							
22	1	119820-77340	PIECE, DISTANCE	1							
23	1	129136-77251	BOLT, M8X110	1							
24	1	129612-77260	NUT, ALTERNATOR	1							
25	1	129100-77320	ADJUSTER	1							
26	1	119810-77340	BOLT, ADJUSTER	1							
27	1	26106-080502	BOLT, M8X 50 PLATED	1							
28	1	119632-77920	TIMER	1							
29	1	119650-77910	RELAY ASSY, GLOW	1							
30	1	119643-66900	DIODE	2							
31	1	119247-77100	RELAY, SAFETY	1							
32	1	128300-77920	TIMER	1							

Fig.17. GASKET SET

17.GASKET SET



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729030-92670	GASKET SET	1							1
2	2	124240-01883	GASKET	1							
3	2	129150-32020	GASKET, PUMP	1							
4	2	129150-35041	GASKET	1							
5	2	129150-35111	GASKET	1							
6	2	129100-42020	GASKET, WATER PUMP	1							
7	2	22190-080002	WASHER, SEAL 6	7							
8	2	121850-51960	O-RING	1							
9	2	129150-49360	GASKET	1							
10	2	23414-100000	GASKET, 10X1.0	2							
11	2	24311-000160	O-RING, 1AP16.0	3							
12	2	24321-000300	O-RING, 1AG30.0	1							
13	2	24341-000240	O-RING, 1AS24.0	1							
14	2	24341-000250	O-RING, 1AS25.0	1							
15	2	24311-000320	O-RING, 1AP32.0	2							
16	2	129100-49840	GASKET	1							
17	2	129001-01340	GASKET, HEAD	1							
18	2	129001-11310	GASKET, BONNET	1							
19	2	121400-11340	SEAL, VALVE STEM	3							
20	2	124460-11340	SEAL, VALVE STEM	3							
21	2	119625-11870	PROTECTOR, NOZZLE	3							
22	2	119625-11880	SEAT, NOZZLE	3							
23	2	129001-12110	GASKET, MANIFOLD	1							
24	2	129150-13110	GASKET	1							
25	2	124701-11911	GASKET, SILENCER	1							
26	2	124465-44950	GASKET, 16	1							
27	2	129795-49551	GASKET	1							
28	2	129150-49811	GASKET, THERMOSTAT	1							
29	2	22190-120002	WASHER, SEAL 12	2							
30	2	129150-77511	GASKET	1							
31	2	23414-120000	GASKET, 12X1.0	2							
32	2	24311-000120	O-RING, 1AP12.0	3							
33	1	129400-92430	HONE	1							1
34	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	14	16
101720-55750	14	32
102103-55520	14	26
103854-39140	14	15
104200-55321	14	2
		22
104200-55330	14	3
		23
104200-55341	14	24
104200-55750	14	10
		33
110250-55610	14	27
114250-53080	13	5
114250-53120	13	9
114250-53130	13	10
114250-53140	13	11
114250-53210	13	12
114250-53400	13	13
119131-18320	6	5
119247-77100	16	31
119305-59120	13	20
119620-01750	3	3
119625-11870	4	21
	17	21
119625-11880	4	22
	17	22
119625-11900	4	23
119632-77920	16	28
119643-66900	16	30
119643-77900	15	36
119650-77910	16	29
119653-77950	12	79
119660-61901	12	55
119810-51040	11	5
119810-77340	16	26
119820-77340	16	22
119836-77200	16	1
119836-77700	16	2
119836-77710	16	4
119836-77721	16	5
119836-77730	16	6
119836-77741	16	7
119836-77750	16	8
119836-77760	16	9
119836-77770	16	10
119836-77780	16	11
119836-77790	16	15
119836-77800	16	16
119836-77810	16	19
119836-77820	16	20

Parts No.	Fig. No.	Ref. No.
119836-77830	16	21
119836-77840	16	17
119836-77850	16	3
119836-77860	16	18
119836-77871	16	12
119836-77880	16	13
119836-77890	16	14
119840-59560	13	33
119840-59570	13	34
119865-21600	8	14
120130-11860	4	7
121023-01550	2	24
121111-21501	8	11
121250-44901	10	1
121250-59550	13	32
121252-39450	9	33
121254-55510	14	25
121257-55720	14	30
121257-55731	14	31
121400-11340	4	18
	17	19
121400-12540	5	19
121400-12570	5	21
121420-12511	5	10
121420-12540	5	13
121420-12550	5	14
121420-12561	5	15
121422-12530	5	12
121422-12570	5	16
121422-12580	5	17
121450-01560	2	5
121520-34810	9	17
121550-23200	8	27
121850-21680	8	10
121850-51960	2	11
	17	8
121850-55710	14	29
121850-55800	14	21
121855-12060	5	8
122117-51560	11	48
122710-51090	11	8
124066-59100	13	31
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129001-12120	5	2
129001-21000	8	1
129001-22081	8	15
129001-22500	8	17
129001-22901	8	30
129001-22950	8	32
129001-32001	9	1
129001-35300	9	24
129001-42002	10	2
129001-42040	10	29
129001-91840	2	20
129030-12550	5	22
129030-12560	5	23
129052-55620	14	1
129052-59910	13	25
129052-59920	13	26
129052-59930	13	27
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129100-11110	4	14
129100-11240	4	24
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129120-44741	10	17
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129129-14580	7	3
129129-77010	15	1
129129-77210	15	6
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129129-77430	15	20
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129150-02020	1	6
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129150-02870	1	28
129150-02930	1	17
129150-02940	1	25
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129150-11750	4	34
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129150-13110	6	2
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129150-14200	7	1
129150-14400	7	2
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